

CLAIMS

What is claimed to be new and desired to be protected by Letters Patent is set forth in the appended claims.

I claim:

1. A rock cutter for splitting stones, comprising:

(a) a support means having a first end, a second end, a left side and a right side and a support length between the first end and the second end and a support surface along the support length for supporting a rock to be cut;

(b) a first blade holding means attached to the support means for holding a blade and extending the blade along the support length;

(c) a first blade having a sharpened edge with a first blade edge length attached to the first blade holding means;

(d) a second blade holding means for holding a blade in a fixed position on the support means along the support length; and,

(e) a second blade having a sharpened edge and a second blade edge length and wherein the first blade holding means comprises a hydraulically driven piston having a hydraulic cylinder and a piston arm with a blade holding means for holding the first blade so that it is approximately perpendicular to the support surface.

2. The rock cutter of Claim 1, wherein the first blade holding means further comprises a support arm slidably contacting the left side and a support arm slidably contacting the right side so that the position of the first blade is supported as the blade moves along the support length.

3. The rock cutter of Claim 2, wherein the second blade holding means comprises a support arm slidably contacting the left side and a support arm slidably contacting the right side so that the position of the second blade is supported where held along the support length.

4. The rock cutter of Claim 3, wherein the second blade holding means further comprises a fixing means for holding the second blade at a fixed position along the support length.

5. The rock cutter of Claim 4, wherein the fixing means further comprises an opening defined by the support arm contacting the left side adjacent to the left side, a plurality of corresponding openings defined by the left side and a securing means fitting through the support arm opening and at least one of the plurality of left side openings.

6. The rock cutter of Claim 5, wherein the fixing means further comprises an opening defined by the support arm contacting the right side adjacent to the right side, a plurality of corresponding openings defined by the right side and a securing means fitting through the support arm opening and at least one of the plurality of right side openings.

7. The rock cutter of Claim 4, wherein the fixing means further comprises a brake having a first end and a second end with the first end attached to the second blade, a plurality of openings defined along the support surface and wherein the second end of the brake is insertable into at least one of the plurality of openings.

8. A rock cutter for splitting stones, comprising:

(a) a support means having a first end, a second end, a left side and a right side and a support length between the first end and the second end and a support surface along the support length for supporting a rock to be cut;

(b) a first blade holding means attached to the support means for holding a blade and extending the blade along the support length;

(c) a first blade having a sharpened edge with a first blade edge length attached to the first blade holding means;

(d) a second blade holding means for holding a blade in a fixed position on the support means along the support length; and

(e) a second blade having a sharpened edge and a second blade edge length and further comprising a catching means located along the length of the support means and below the support surface for receiving pieces falling from the support surface.

9. The rock cutter of Claim 8, wherein the catching means comprises an angled plate rising on either side of the support surface from below the support surface so that rocks split fall onto

the angled sides.

10. A rock cutter for splitting stones, comprising:

(a) a support means having a first end, a second end, a left side and a right side and a support length between the first end and the second end and a support surface along the support length for supporting a rock to be cut;

(b) a first blade holding means attached to the support means for holding a blade and extending the blade along the support length;

(c) a first blade having a sharpened edge with a first blade edge length attached to the first blade holding means;

(d) a second blade holding means for holding a blade in a fixed position on the support means along the support length; and,

(e) a second blade having a sharpened edge and a second blade edge length and further comprising a shield means located on the first end and foldable above the support length so that a rock supported on the support surface may be covered to prevent chips of rock from exiting the work area.

11. The rock cutter of Claim 1, further comprising a supporting plate attached to the support means for supporting a motor for supplying hydraulic fluid to the hydraulic cylinder.

12. The rock cutter of Claim 11, further comprising an axle rotatably connected to the supporting plate below the support means and a plurality of wheels attached to the axle and wherein

the rock cutter further comprises a trailer hitch attached to the supporting plate so that the rock splitter may be attached to a trailer hitch for movement.

13. The rock cutter of Claim 12, wherein said trailer hitch further comprises a jack stand being disposed adjacent said trailer hitch to permit the rock cutter to be leveled when operated on uneven ground.